# DUTY STATEMENT

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| **Classification**: Associate Toxicologist | | | **Position Number**: 811-140-7941-004 | | |
| **Branch/Section**: Reproductive and Cancer Hazard Assessment Branch / Cancer Toxicology and Epidemiology Section | | | | | |
| **Location**: Oakland/Sacramento | | | **Effective Date**: | | |
| **Management Designation** | ☐ Yes | ☒ No | **Conflict of Interest** | ☒ Yes | ☐ No |
| **Supervision Received**: | ☒ Yes | ☐ No | **Supervision Exercised**: | ☐ Yes | ☒ No |

Pursuant to Government Code Section 3100-3109, all public employees are declared to be disaster service workers for the protection of the health and safety and the preservation of the lives and property of the people of the state from the effects of natural, man-made, or war-caused emergencies. Such emergencies may result in conditions of disaster or extreme peril to life, property, and resources and an appropriate response. This is of paramount importance to the state in protecting its citizens and resources.

## POSITION SUMMARY

The Cancer Toxicology and Epidemiology Section (CTES) within the Reproductive and Cancer Hazard Assessment Branch (RCHAB) provides technical support for the implementation of the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65). The Section identifies chemicals for listing as causing cancer under Proposition 65, conducts dose-response and exposure assessments, and develops carcinogen risk assessment guidance and methodology. CTES provides technical assistance to other programs in the Office of Environmental Health Hazard Assessment (OEHHA), the Attorney General's Office, and other California governmental entities.

Under direction of the Senior Toxicologist, Chief, CTES, the Associate Toxicologist provides technical expertise in general toxicology and carcinogenesis for Proposition 65 hazard identification and dose-response activities. The incumbent will perform all the following duties and other related work:

## ESSENTIAL FUNCTIONS

30% Prioritization of Chemicals for Review. Advise on the toxicological properties of chemicals to assist in identifying and developing a potential list of agents that may pose a carcinogenic risk in humans. Develop supporting documentation on the extent and nature of the evidence for carcinogenicity. Present scientific findings and analyses to expert committees, e.g., the Carcinogen Identification Committee (CIC), and the public. Review public comments, prepare responses, and revise documents as appropriate.

30% Cancer Hazard Identification. Identify, review and critically evaluate scientific literature relevant to the evidence of carcinogenicity for chemicals under consideration for listing or delisting as causing cancer under Proposition 65 or otherwise under evaluation by RCHAB. Develop hazard identification materials and related documentation for presentation to internal and external expert bodies (e.g., CIC). Under direction, analyze and evaluate available epidemiological and toxicological data, and mechanistic and other data relevant to hazard identification and include in the hazard identification materials. Make presentations on these issues to the CIC and other expert bodies.

25% Cancer Response Assessment. Identify, and critically evaluate scientific literature relevant to performing quantitative cancer dose-response assessment of chemicals. Evaluate toxicology, epidemiology, mechanism of action, and pharmacokinetic studies. Develop draft quantitative cancer dose-response assessment for review by the Senior Toxicologist, incorporating information on mechanism and mode of action, pharmacokinetic differences in humans and experimental animals, age-related susceptibility, and other susceptibility factors, as appropriate. Develop draft no significant risk levels

**(Attach additional sheet if necessary)**

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| I have read and understood the duties and essential functions of the position and can perform these duties with or without reasonable accommodation:<br><br>**Employee Signature:** | **Date**: |
| I certify that the above accurately represent the duties of the position:<br><br>**Supervisor Signature:** | **Date**: |
| ***PERSONNEL USE ONLY: This personnel action has been reviewed and approved by:*** | |
| **Personnel Analyst Signature:** | **Date:** |

(NSRLs) for chemicals listed under Proposition 65 for review. Perform benchmark dose analyses and potency assessments as appropriate. Prepare cancer dose-response and NSRL documents for adoption in regulation and for other RCHAB assessment needs. Prepare draft formal responses to public comments received on proposed NSRLs, for submittal to the Office of Administrative Law.

5% Methods and Guidelines Development. Contribute technical advice to the development and revision of guidelines and methodologies for carcinogen risk assessment. In collaboration with staff-level scientists, collect relevant toxicological data to in developing full data sets. Review relevant literature on toxicological issues chosen by the Section Chief and other senior scientists to identify appropriate scientific approaches. Perform analysis of the data using generally accepted, scientifically valid methods, to identify parameters to be used in the methods and guidelines. Prepare and revise draft methods and guidelines for review by the Chief.

5% Advise on Cancer Risk Issue. Conduct scientific peer review of OEHHA and other state government documents, providing general expertise in toxicology. Respond to public inquiries on technical issues. Advise on technical issues related to exposures to carcinogens.

**MARGINAL FUNCTIONS**

5% Prepare sections and preliminary drafts of articles for publication in scientific journals. Organize technical workshops of interest to the program. Present at or attend technical workshops, scientific meetings, and conferences at the local and national level to exchange scientific knowledge and relay insights from OEHHA. Attend continuing education courses to maintain and further develop technical skills and expertise. Work on special assignments to meet the Section's needs.

**REQUIRED QUALIFICATIONS**

Knowledge and proficiency in general principles of toxicology and public health, with an emphasis in the area of carcinogenesis. An understanding of the general principles of risk assessment. Research experience investigating carcinogenic mechanisms, or experience conducting quantitative cancer risk assessments, or experience evaluating and integrating mechanistic information into cancer hazard identification. Ability to produce high quality work products that clearly and concisely convey scientific findings and concepts.

**DESIRED QUALIFICATIONS**

Ability to accurately review, enter and retrieve data from departmental data systems, hardcopy papers and reports, online scientific publications and other online data sources; use statistical, spreadsheet, word processing and presentation (e.g., PowerPoint, publisher) software. Employ effective research and fact-finding skills and exercise good judgment. Work cooperatively and function effectively in a team; communicate effectively in person; and produce high quality written reports. Willingness to conduct office work, which requires sitting for prolonged periods of time, and an interest in and aptitude for the work.

**WORKING CONDITIONS**

Located in high-rise office buildings in the Cal/EPA building at 1001 I Street or in the Oakland office at 1515 Clay Street. Office arranged in cubicles. Various time-critical assignments are part of the workload. Prolonged sitting while reviewing scientific articles, reports and generating scientific documents and reports is required. Repetitive motion in using office equipment occurs. Off-site meetings and teleconferences sometimes take place. Hours of position vary between 8:00 a.m. and 5:00 p.m. Monday through Friday. Willingness to travel as needed. May be required to travel to other OEHHA locations for business related needs as necessary.

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